ORDER NO. MD9412202A3

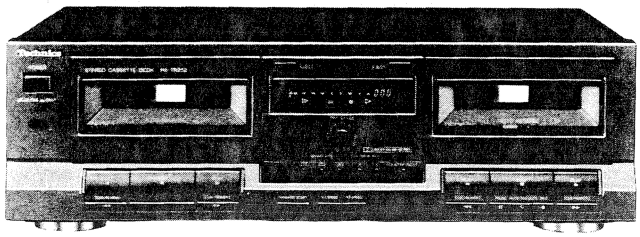
Service Manual

Stereo Cassette Deck

RS-TR252

Cassette Deck

DOLBY B·C NR HX PRO*



* Dolby noise reduction and HX PRO headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX PRO originated by Bang and Olufsen. "Dolby", the double-D symbol, and "HX PRO" are trademarks of Dolby Labaratories Licensing Corporation.

Colour

(K) ... Black Type

Area

Suffix for Model No.	Area	Colour
(GC)	Asia, Latin America, Middle Near East and Africa.	(K)
(GN)	Oceania.	

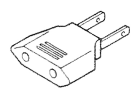
Please file and use this manual together with the service manual for Model No. RS-TR262, Order No. MD9412200C1.

Note: • This service manual is provided to indicate the main differences between the original model No. RS-TR262 (P) and the subsequent model No. RS-TR252 (GC, GN).

ADDITION

■ ACCESSORIES

[For (GC) area.]
AC CORD ADAPTOR
(SJP5213-2) ..... 1 pc.



CHANGES

■ SPECIFICATIONS

RS-TR262 (P)	RS-TR252 (GC, GN)
■ CASSETTE DECK SECTION	**■ CASSETTE DECK SECTION**
Frequency response (Dolby NR off)	**Frequency response (Dolby NR off)**
NORMAL 40 Hz~15 kHz±3 dB, 20 Hz~17 kHz	**NORMAL** 40 Hz~15 kHz±3 dB, 20 Hz~16 kHz (DIN)
CrO_2 40 Hz~15 kHz±3 dB, 20 Hz~17 kHz	**CrO_2** 40 Hz~15 kHz±3 dB, 20 Hz~16 kHz (DIN)
METAL 40 Hz~16 kHz±3 dB, 20 Hz~18 kHz	**METAL** 40 Hz~16 kHz±3 dB, 20 Hz~17 kHz (DIN)
■ GENERAL	**■ GENERAL**
Power consumption 17 W	**Power consumption**
	[For (GC) area.] 22 W
	[For (GN) area.] 20 W
Power supply AC 60 Hz, 120 V	**Power supply**
	[For (GC) area.] AC 50 Hz/60 Hz, 110 V/127 V/220 V/230–240 V
	[For (GN) area.] AC 50 Hz/60 Hz, 230–240 V

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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■ CHANGE IN REPLACEMENT PARTS LIST

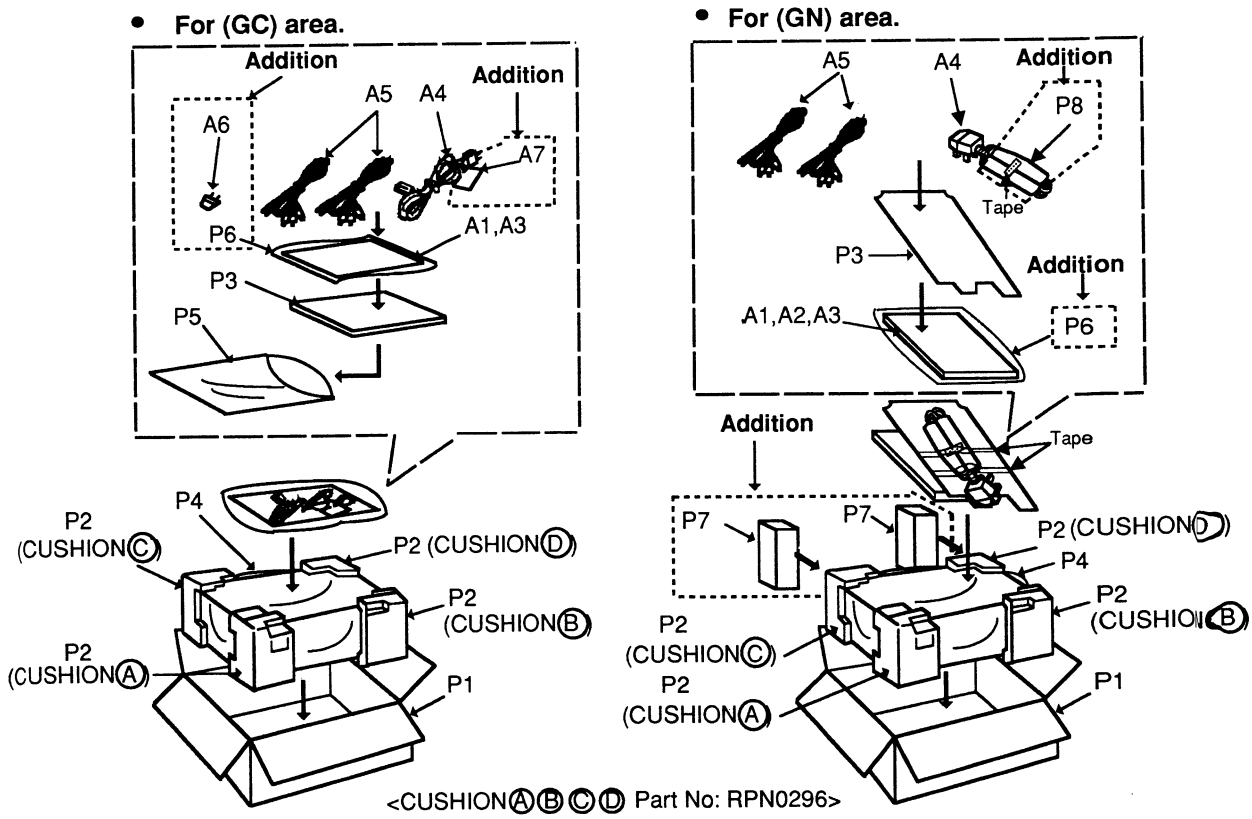
(RS-TR262 Service Manual Pages 29~32, 41.)

Notes:
- Mentioned in this parts list is only those different from Model No. RS-TR262 (P). All other parts are the same as for RS-TR262 (P).
- Important safety notice: Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.) Parts without these indications can be used for all areas.
- [M] Indicates in the Remarks columns indicates parts supplied by MESA.
- The "(SF)" mark denotes the standard part.

Ref. No.	Change of Parts No. RS-TR262 (P) ➡ RS-TR252 (GC, GN)		Part Name & Description	Remarks
TRANSISTOR(S)				
Q304	KSD471ACYGTA	**2SD2037ETA**	TRANSISTOR	
Q701	2SC3311AR	—	TRANSISTOR	Deletion
VARIABLE RESISTOR(S)				
VR702	EVJ02SF02G15	—	BALANCE	Deletion
TRANSFORMER(S)				
T1	RTP1K4C008-V	**RTP1K4E015-V**	POWER TRANSFORMER	(GC) ⚠
		RTP1K4E014-V	POWER TRANSFORMER	(GN) ⚠
JACK(S)				
JK701	SJSD16	**SJS9236**	AC INLET	(GC) ⚠
		SJSD16	AC INLET	(GN) ⚠
JK702	SJS9331B	—	AC OUTLET	⚠ Deletion
JK703	—	**RSR4A001S-H**	VOLTAGE SELECTOR	[M] (GC) ⚠ Addition
		—	—	(GN)
RESISTORS				
R609	ERD2FCVG150T	**ERD2FCVG120T**	1/4W 12Ω	⚠
R610	ERD2FCVG180T	**ERD2FCVG150T**	1/4W 15Ω	⚠
R633, 634	ERD2FCVG330T	**ERD2FCVG150T**	1/4W 15Ω	⚠
R635	ERDS2TJ120T	**ERDS1FVJ180T**	1/2W 18Ω	⚠
R636	ERDS2TJ100	**ERDS1FVJ220T**	1/2W 22Ω	⚠
R723	ERDS2TJ153	—	1/4W 15kΩ	Deletion
R724	ERDS2TJ102	**ERDS2TJ223**	1/4W 22kΩ	
R725	ERDS2TJ102	**ERDS2TJ823**	1/4W 82kΩ	
R726, 727	ERDS2TJ562	—	1/4W 5.6kΩ	Deletion
CAPACITOR				
C702	ECBT1E103ZF	—	25V 0.01μF	Deletion
CABINET AND CHASSIS				
2	RFKLSTR262PK	**RFKLSTR252PA**	CASSETTE LID ASS'Y (DECK1)	[M]
6	RGR0112K-B1	**RGR0112L-A**	REAR PANEL	[M] (GC)
		RGR0112M-A	REAR PANEL	[M] (GN)
7	RMK0026-7	**RFKJTR252GCK**	BOTTOM CHASSIS ASS'Y	[M]
7-1	—	**RFKNSTR252PK**	FOOT ASS'Y	[M] Addition
12	RFKGSTR262PK	**RFKGSTR252PK**	FRONT PANEL ASS'Y	[M]
19	RGW0110-K	—	KNOB, BALANCE	Deletion
20	RFK0169A-K	**RFK0169-K**	CASSETTE HOLDER	
34	RFKNSTR252PK	—	FOOT ASS'Y	[M] Deletion
35	XTB3+6J	—	SCREW	Deletion

Ref. No.	Change of Parts No. RS-TR262 (P) ➡ RS-TR252 (GC, GN)		Part Name & Description	Remarks
PACKING MATERIAL				
P1	RPG2306	**RPG2524**	CARTON BOX	[M] (GC)
		RPG2525	CARTON BOX	[M] (GN)
P3	RPQ0164	**RPQ0164**	ACCESSORIES PAD	(GC)
		RPQ0350-2	ACCESSORIES PAD	(GN)
P5	XZB24X34C04	**XZB24X34C04**	PROTECTION BAG (F.B., ACC.)	(GC)
		—	—	(GN) Deletion
P6	—	**SPB1061**	PROTECTION BAG (F.B.)	Addition
P7	—	—	—	(GC)
		RPN0705	CUSHION	[M] (GN) Addition
P8	—	—	—	(GC)
		RPH0032	MIRROR SHEET	(GN) Addition
ACCESSORIES				
A1	RQT2705-P	**RFKSTR252GCK**	INSTRUCTION MANUAL ASS'Y	[M] (GC)
		RQT2987-G	INSTRUCTION MANUAL	[M] (GN)
A2	RQA0085	—	—	(GC) Deletion
		RQX7433ZA	WARRANTY CARD	(GN)
A3	RQCB0391	**RQCB0169**	SERVICENTER LIST	
A4	SJA172	**RJA0019-2K**	AC POWER SUPPLY CORD	(GC) ⚠ (SF)
		RJA0036-K	AC POWER SUPPLY CORD	(GN) ⚠ (SF)
A6	—	**SJP5213-2**	AC CORD ADAPTOR	(GC) ⚠ Addition
		—	—	(GN)
A7	—	**RQE13ZC**	VOLTAGE CAUTION LABEL	[M] (GC) Addition
		—	—	(GN)

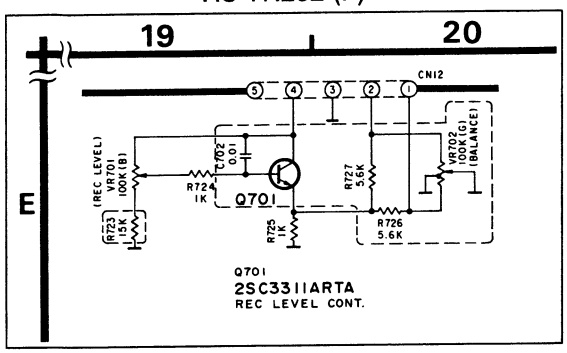
■ PACKAGING (RS-TR262 Service Manual Page 41.)



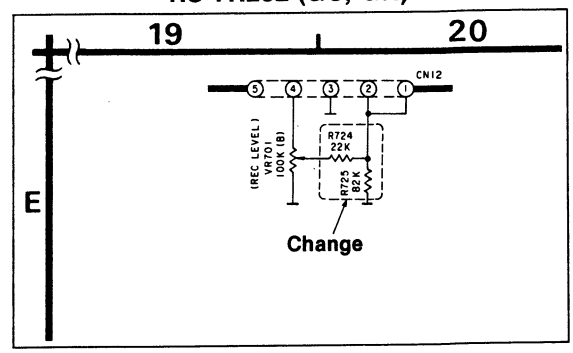
■ SCHEMATIC DIAGRAM (RS-TR262 Service Manual Pages 20, 24.)

H OPERATION (DECK2) CIRCUIT

RS-TR262 (P)



RS-TR252 (GC, GN)



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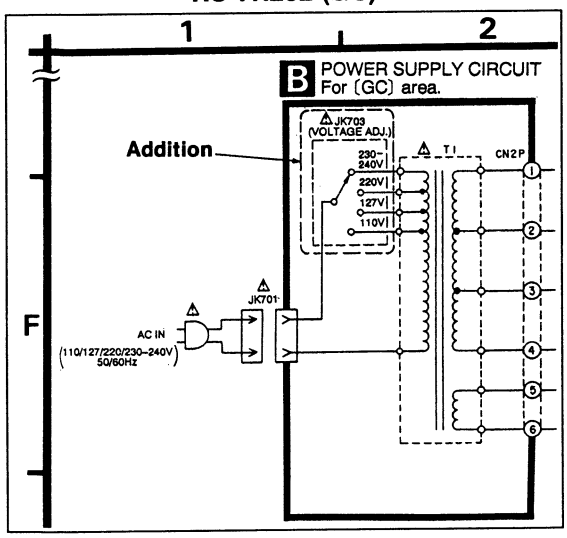
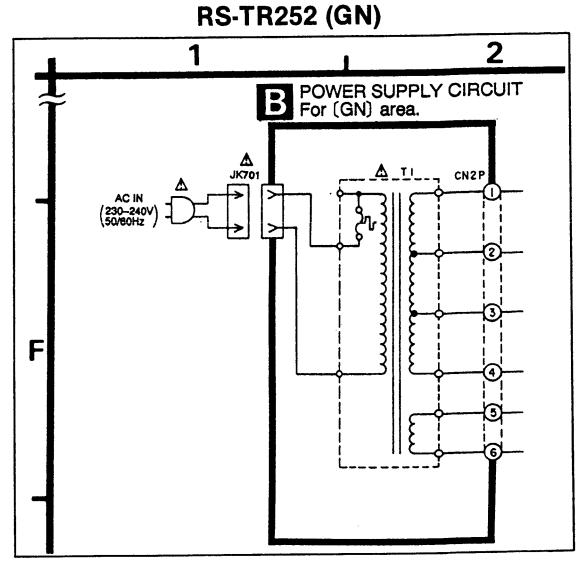
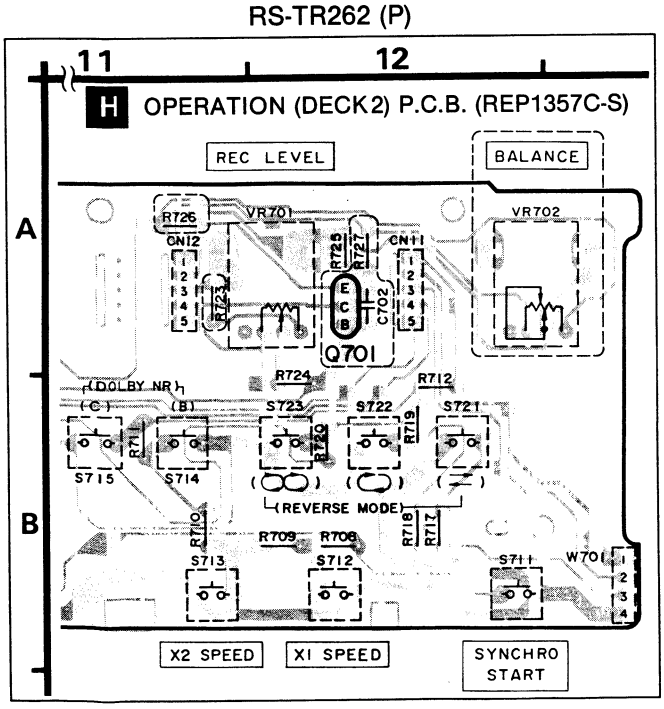


RS-TR252 (GN)

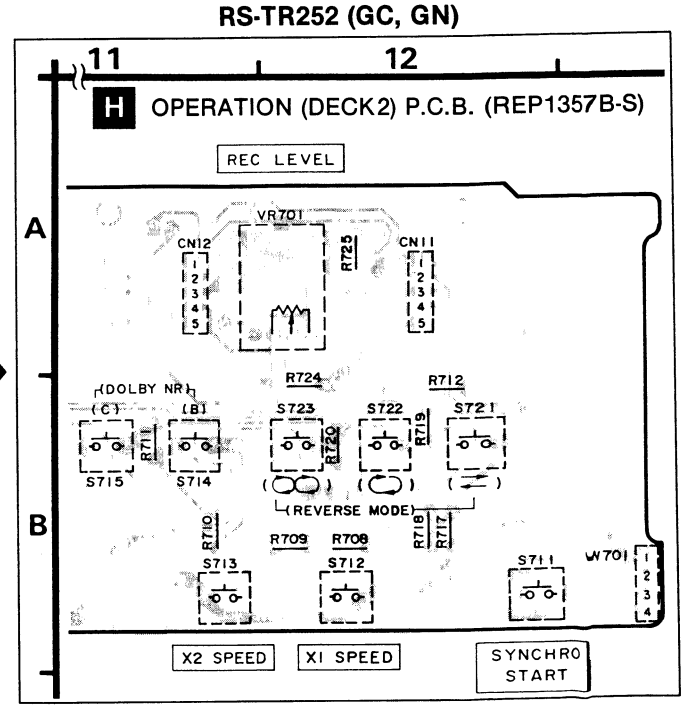


■ PRINTED CIRCUIT BOARD (RS-TR262 Service Manual Pages 17, 18.)

RS-TR262 (P)



RS-TR252 (GC, GN)



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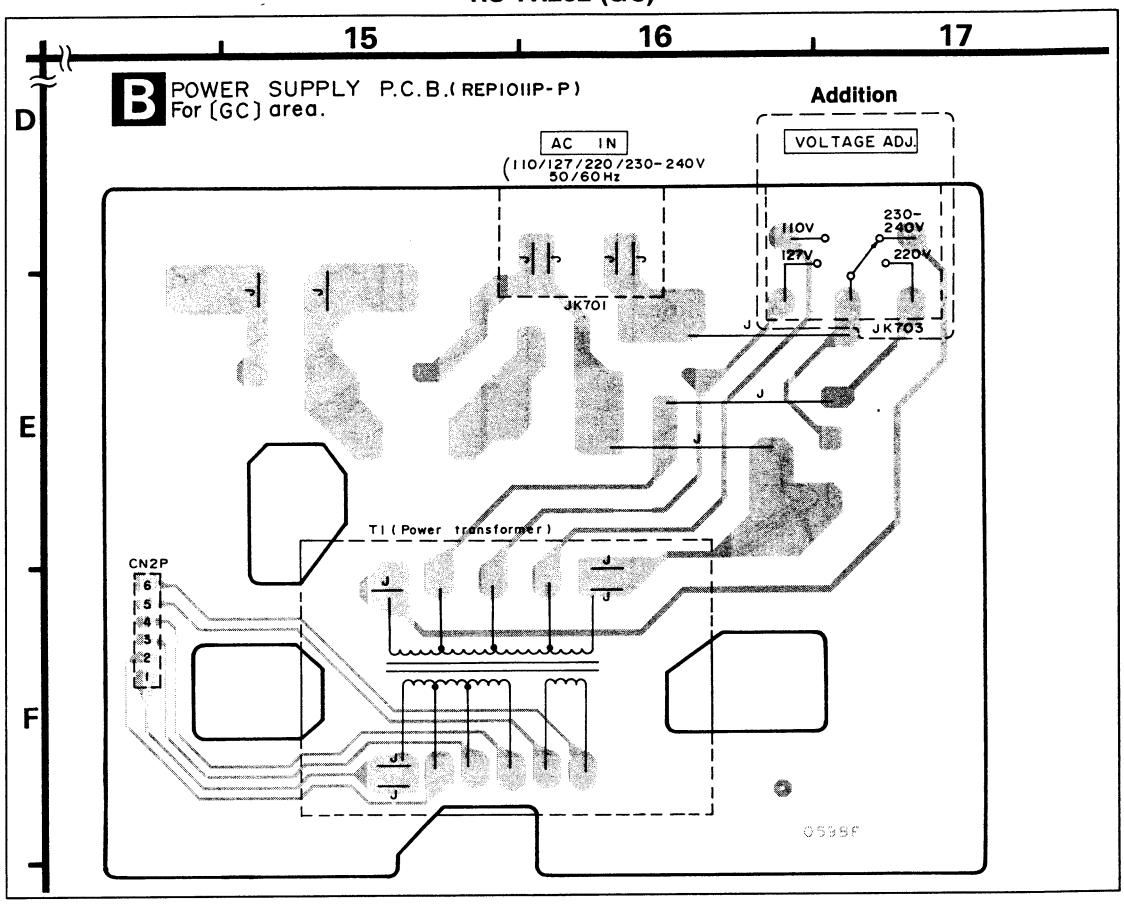
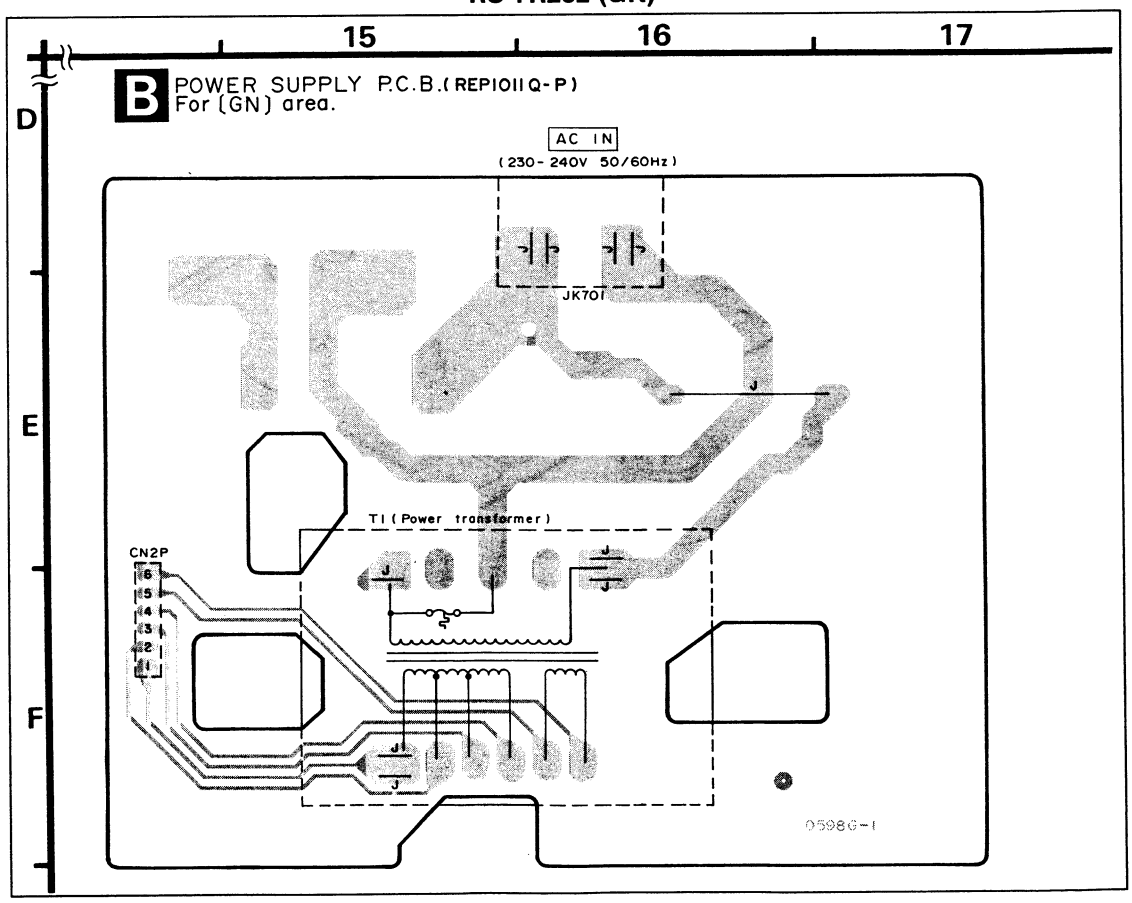
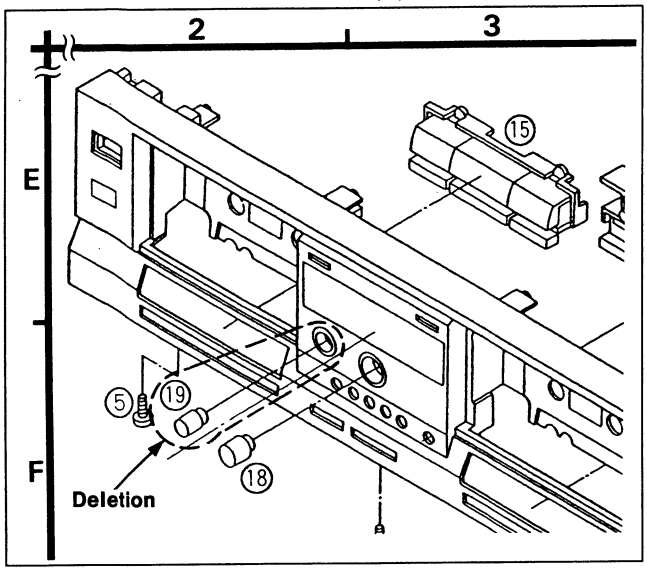


RS-TR252 (GN)

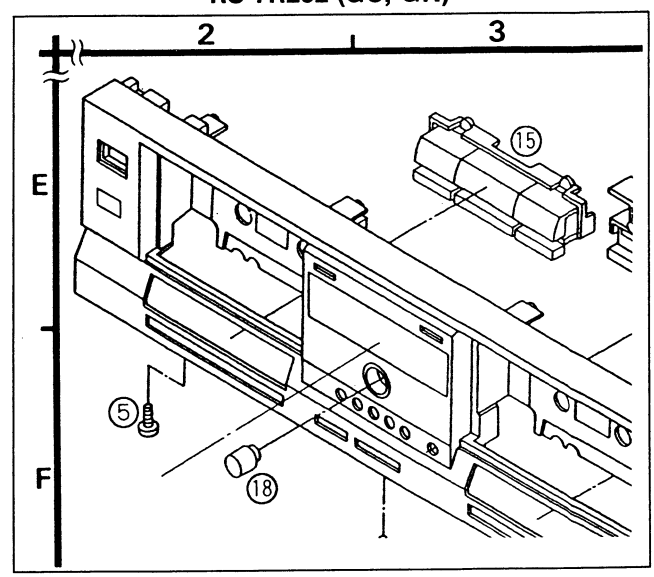


■ EXPLODED VIEWS (RS-TR262 Service Manual Pages 39, 40.)

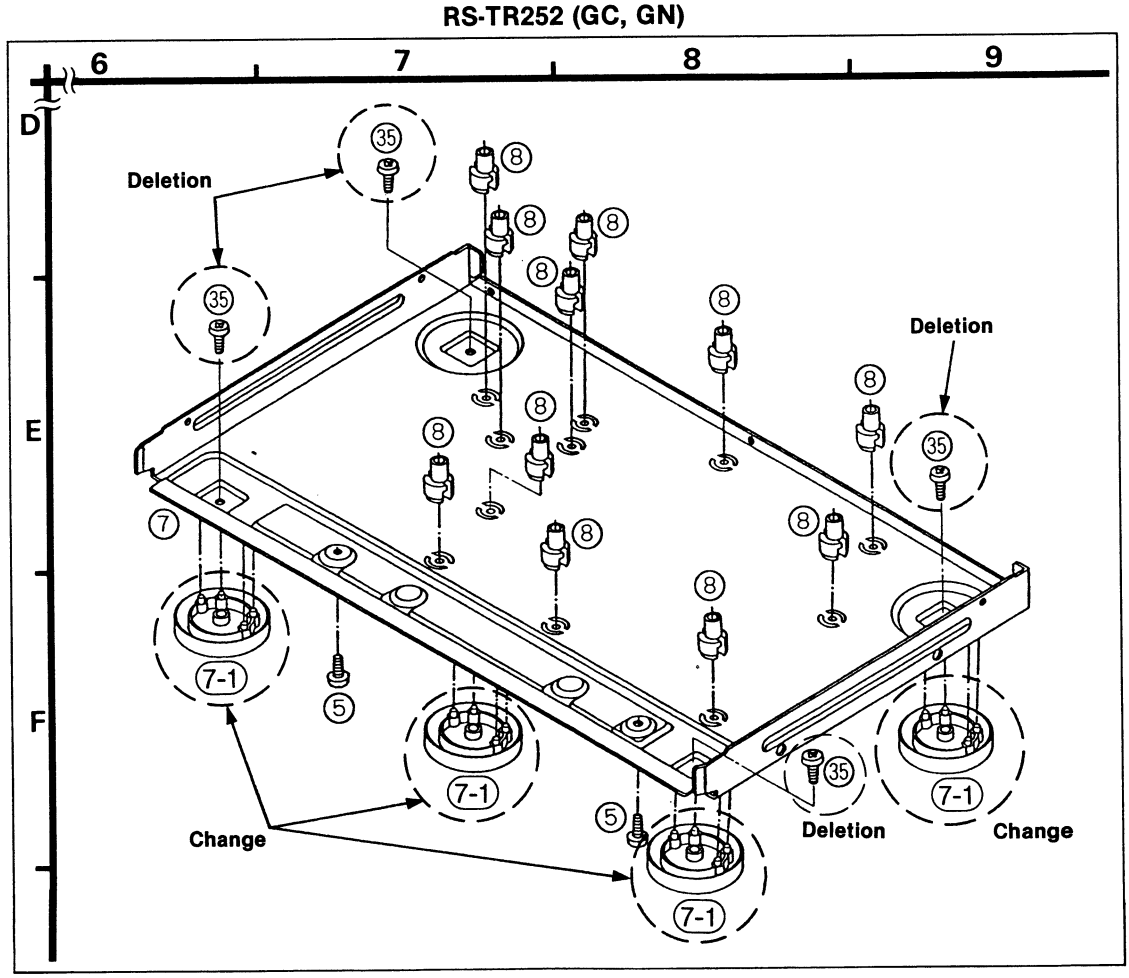
RS-TR262 (P)



RS-TR252 (GC, GN)



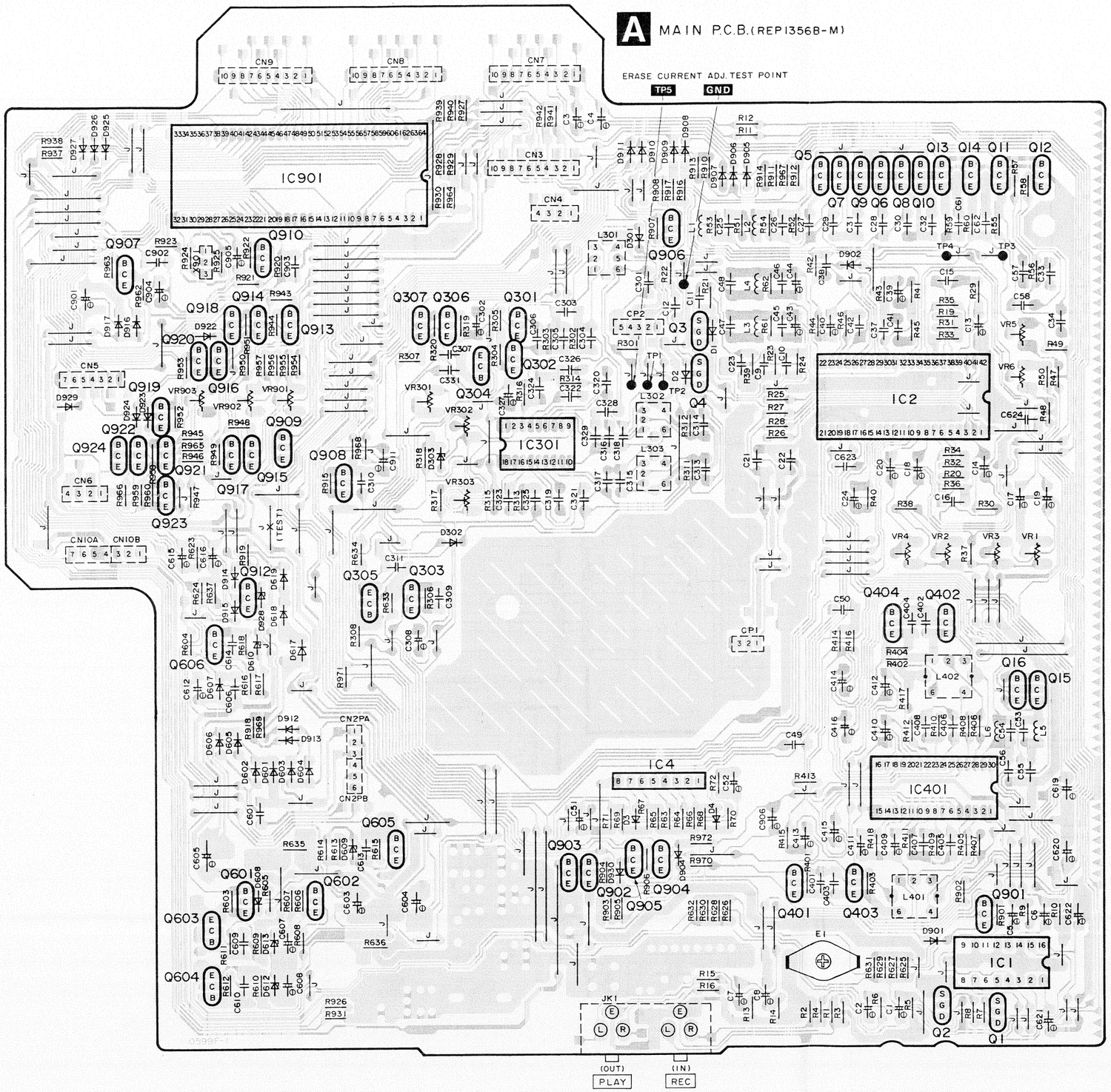
RS-TR252 (GC, GN)



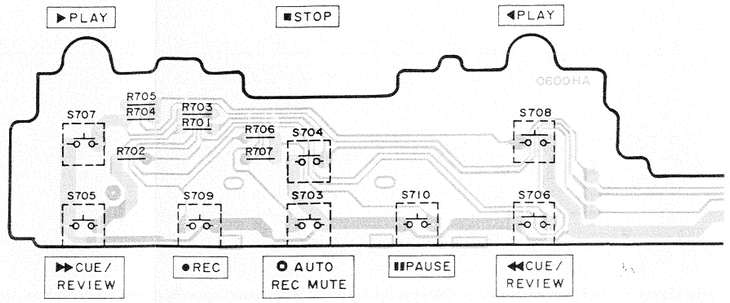
Printed in Singapore
MESA H950303500 NH /HH/KK

■PRINTED CIRCUIT BOARDS (This printed circuit boards may be modified at any time with the development of new technology)

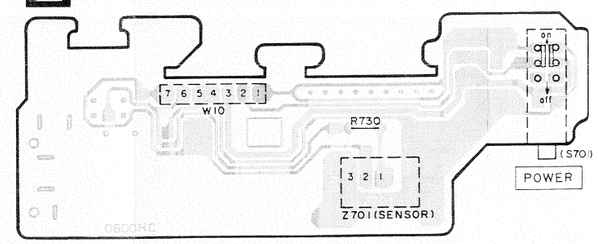
A MAIN P.C.B.(REPI356B-M)



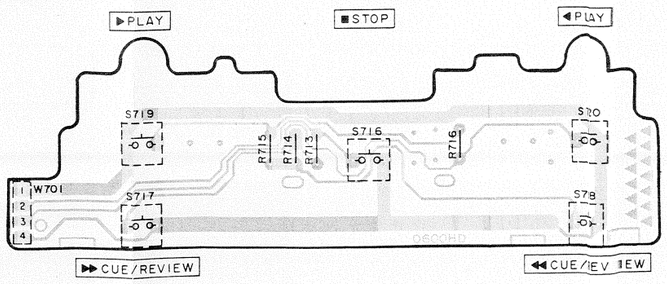
H OPERATION (DECK2) P.C.B. (REPI357C-S)



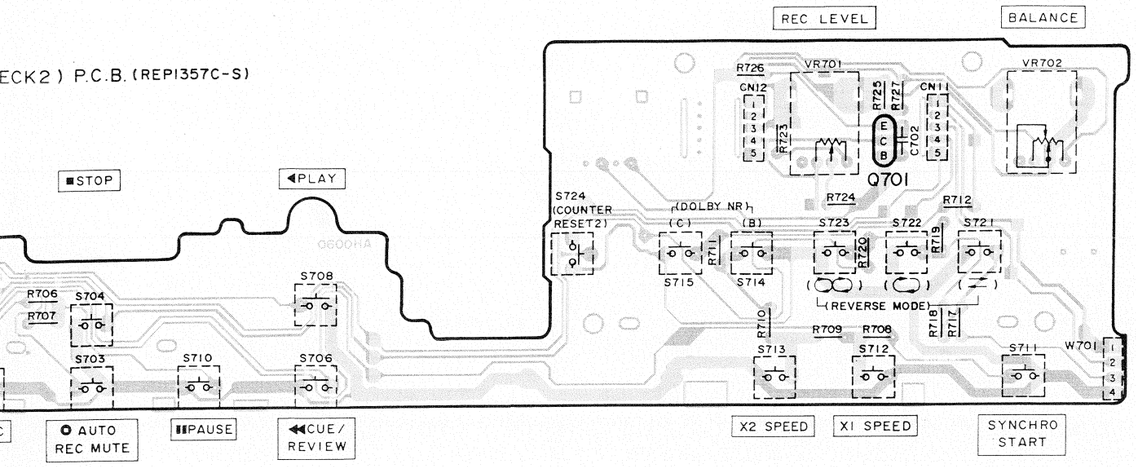
E POWER SWITCH P.C.B. (REPI357C-S)



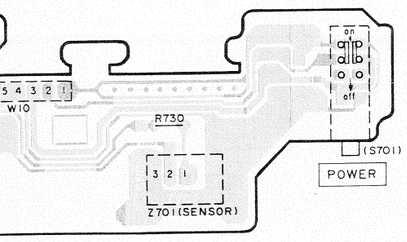
G OPERATION (DECK1) P.C.B. (REPI357C-S)



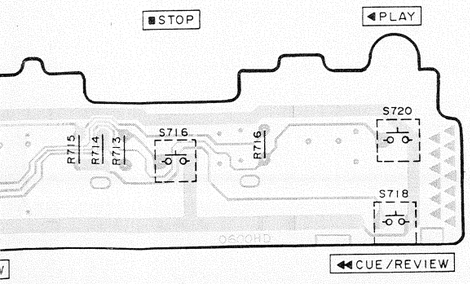
ECK2) P.C.B. (REPI357C-S)



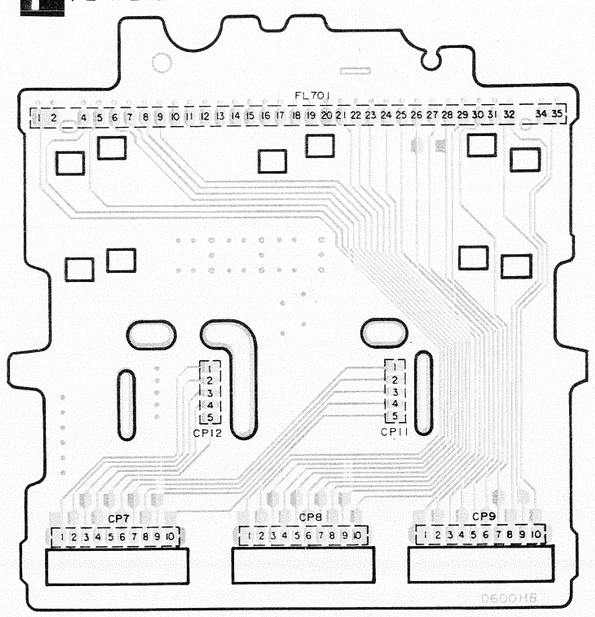
ITCH P.C.B. (REPI357C-S)



(DECK1) P.C.B. (REPI357C-S)



F FL METER P.C.B. (REPI357C-S)



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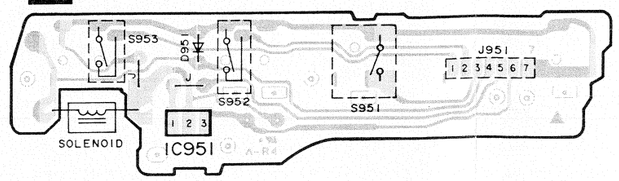
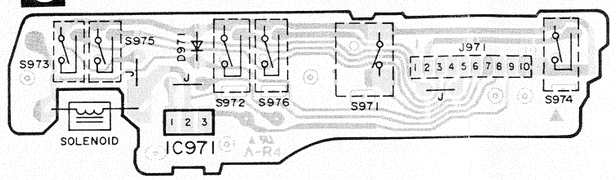
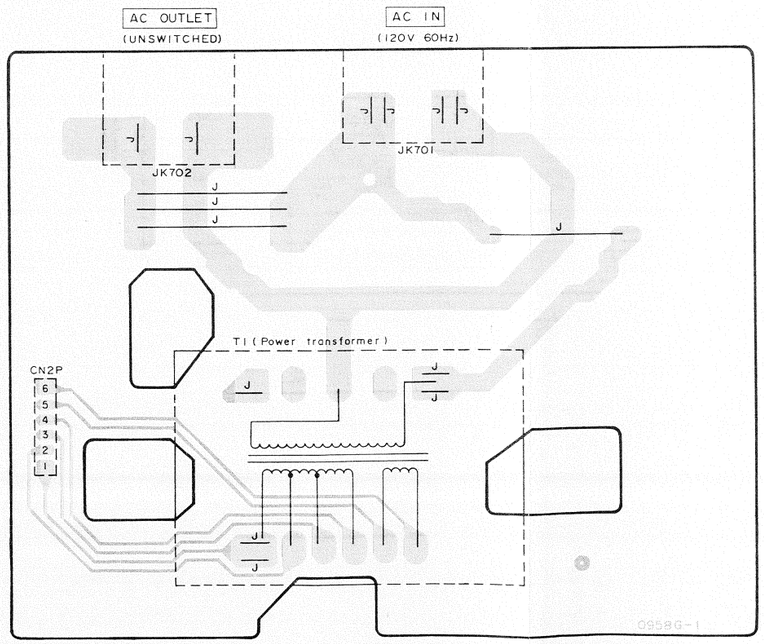


C MECHANISM (DECK2) P.C.B. (REP0075)



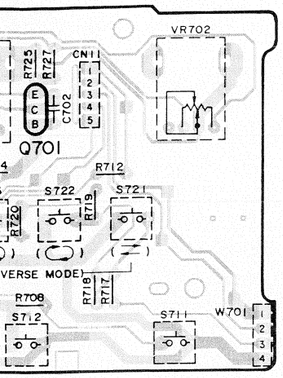
B POWER SUPPLY P.C.B. (REPIOIIN-P)



12 13 14 15 16 17

EL

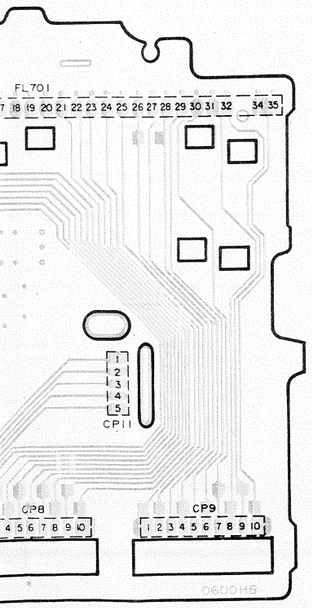
BALANCE



I SPEED

SYNCHRO START

EPI357C-S)



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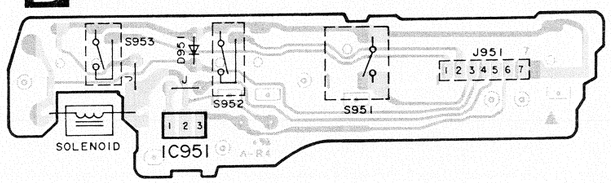

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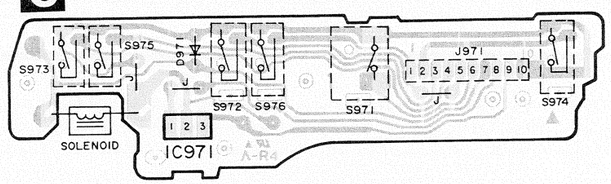
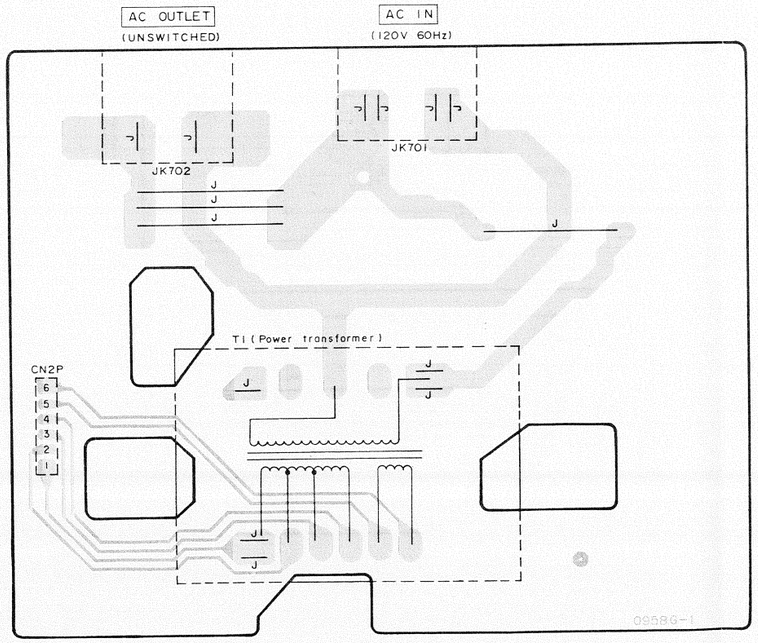
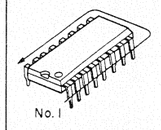


B POWER SUPPLY P.C.B. (REPIOIIN-P)

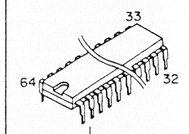


■ TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

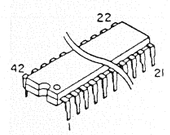


AN7384N-A	16 Pin
UPC1297CA	18 Pin
CXA1331S	30 Pin

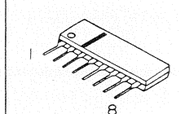
M50942-502SP



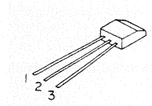
AN7351K

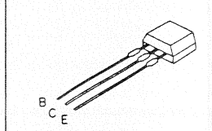


M5218AL



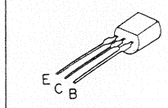
LB9051A-WD



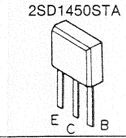


RVTDTA114YST
RVTDTA114EST
RVTDTC114EST

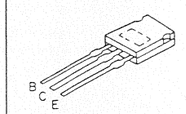
2SB621ARTA
KSD471ACYGTA



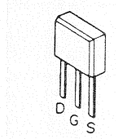
2SA1309ARTA
2SC3311ARTA
2SD1450STA

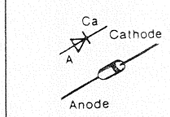


2SB1357ETA
2SD2037ETA



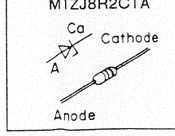
2SJ164PQRTA



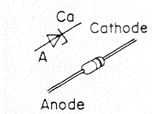


MA165TA
MA167TA
1SR35200TB
RVD1SS133TA

MTZJ5R1BTA
MTZJ6R2BTA
MTZJ8R2CTA



MTZJ20DTA



RS-TR262 RS-TR262

A MAIN CIRCUIT

B POWER SUPPLY CIRCUIT

Q901 2SC3311ARTA REC LEVEL CONT.

IC1 AN7384N-A ELECTRIC VOLUME

IC2 AN7351K PLAYBACK/REC AMP

Q1, 2 2SJ164PQRTA REC MUTE

Q3, 4 2SJ164PQRTA HEAD SELECT (PLAY ON)

PLAYBACK GAIN ADJ.(Lch, DECK1)

PLAYBACK GAIN ADJ, (Lch, DECK 2)

PLAYBACK GAIN ADJ. (Rch, DECK 1)

PLAYBACK GAIN ADJ. (Rch, DECK 2)

Q5~8 2SA1309ARTA REC EQ(X2/CrO2/METAL)

Q9~14 2SC3311ARTA REC EQ(X2/CrO2/METAL)

OVERALL GAIN ADJ. (Lch) Q906

OVERALL GAIN ADJ. (Rch)

Q906 RVTDTA114EST SWITCHING(X2)

Q909 RVTDTC114EST SWITCHING (REC ON)

Q908 2SB621ARTA BIAS OSC CONT.

Q303 2SA1309ARTA BIAS OSC CONT.

Q306,307 RVTDTA114YST BIAS CONTROL

Q301, 302 2SC3311ARTA BIAS OSC

ERASE CURRENT ADJ. TEST POINT

IC301 UPC1297CA DOLBY HX PRO

Q304 KSD471ACYGTA BIAS OSC CONT.

OVERALL FREQUENCY RESPONSE ADJ.(Rch)

OVERALL FREQUENCY RESPONSE ADJ. (Lch)

Q912 RVTDTC114EST SWITCHING

Q605 KSD471ACYGTA REGULATOR

Q305 2SB1357ETA ERASE CURRENT CONT.

ERASE CURRENT ADJ.

TAPE SPEED ADJ. (X2, DECK2)

TAPE SPEED ADJ. (X1, DECK2)

Q601 2SA1309ARTA STABILIZER

Q602 2SC3311ARTA STABILIZER

Q603 2SD2037ETA REGULATOR

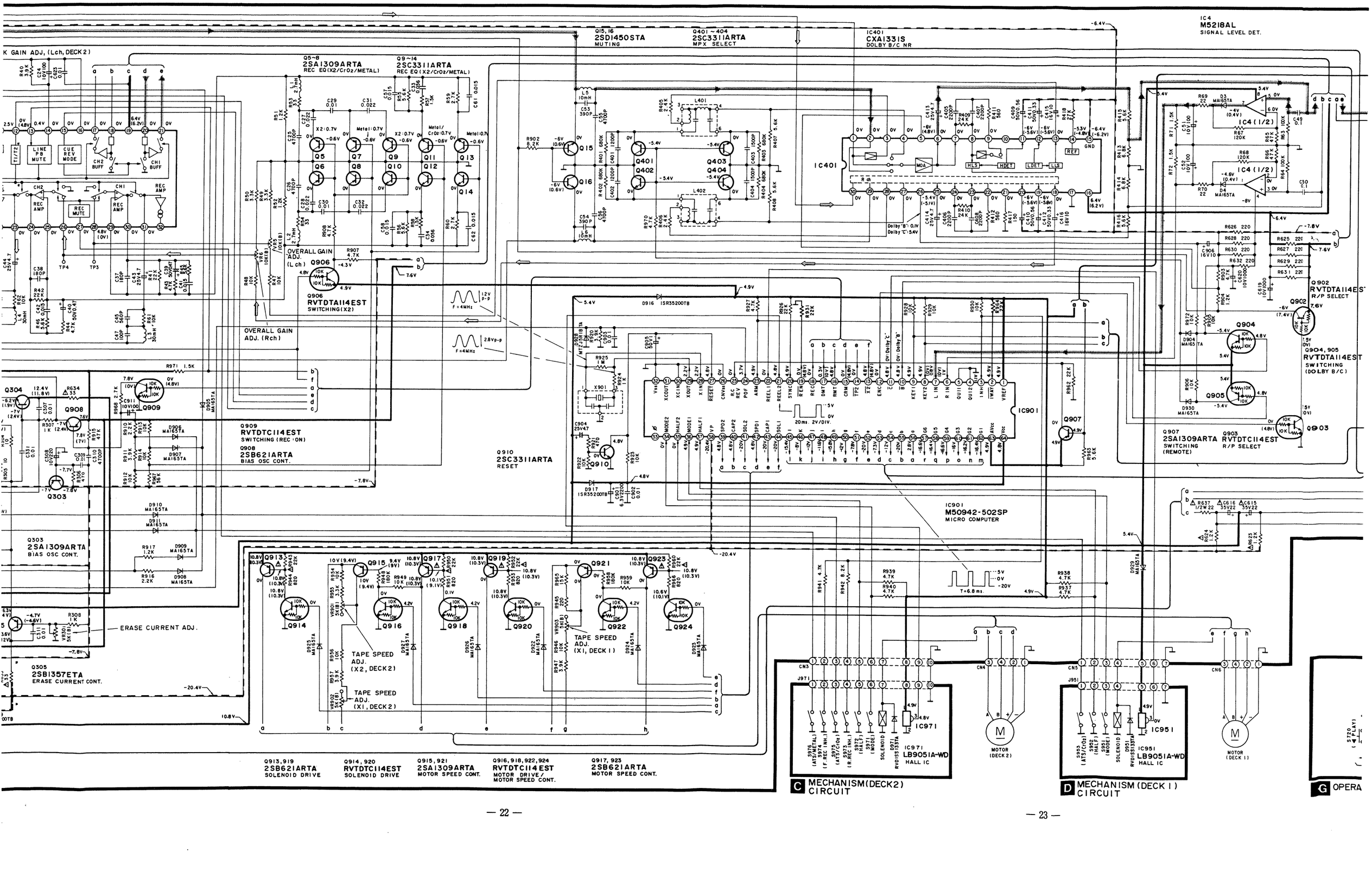
Q604 2SB1357ETA REGULATOR

Q606 2SB621ARTA REGULATOR

Q913,919 2SB621ARTA SOLENOID DRIVE

Q914,920 RVTDTC114EST SOLENOID DRIVE

Q915,92 2SA13[illegible]ARTA MOTOR SPEED CONT.


K GAIN ADJ, (Lch, DECK 2)
Q5~8
2SA1309ARTA
REC EQ(X2/CrO2/METAL)
Q9~14
2SC3311ARTA
REC EQ(X2/CrO2/METAL)
Q15, 16
2SD1450STA
MUTING
Q401 ~ 404
2SC3311ARTA
MPX SELECT
IC401
CXA1331S
DOLBY B/C NR
IC4
M5218AL
SIGNAL LEVEL DET.
LINE PB MUTE
CUE REV MODE
CH2 BUFF
CH1 BUFF
REC AMP
REC MUTE
TP4
TP3
OVERALL GAIN ADJ. (L ch)
OVERALL GAIN ADJ. (Rch)
Q906
RVTDTA114EST
SWITCHING(X2)
12V p-p F=4MHz
2.8Vp-p F=4MHz
D916 ISR35200TB
IC901
M50942-502SP
MICRO COMPUTER
Q907
2SA1309ARTA
SWITCHING (REMOTE)
Q903
RVTDTC114EST
R/P SELECT
Q902
RVTDTA114EST
R/P SELECT
Q904, 905
RVTDTA114EST
SWITCHING (DOLBY B/C)
Q909
RVTDTC114EST
SWITCHING (REC'ON)
Q908
2SB621ARTA
BIAS OSC CONT.
Q303
2SA1309ARTA
BIAS OSC CONT.
Q305
2SB1357ETA
ERASE CURRENT CONT.
ERASE CURRENT ADJ.
Q910
2SC3311ARTA
RESET
Q913~924
TAPE SPEED ADJ. (X2, DECK2)
TAPE SPEED ADJ. (X1, DECK2)
TAPE SPEED ADJ. (X1, DECK1)
T=6.8 ms.
CN3
CN4
CN5
CN6
J971
J951
S976 (ATS/METAL)
S975 (ATS/CrO2)
S974 (F.REC INH.)
S973 (R.REC INH.)
S972 (HALF)
S971 (MODE)
SOLENOID
RVD1SS133TA
IC971
LB9051A-WD
HALL IC
S953 (ATS/CrO2)
S952 (HALF)
S951 (MODE)
SOLENOID
RVD1SS133TA
IC951
LB9051A-WD
HALL IC
MOTOR (DECK2)
MOTOR (DECK1)
C MECHANISM(DECK2) CIRCUIT
D MECHANISM(DECK1) CIRCUIT
G OPERA
0913,919 2SB621ARTA SOLENOID DRIVE
0914,920 RVTDTC114EST SOLENOID DRIVE
0915,921 2SA1309ARTA MOTOR SPEED CONT.
0916,918,922,924 RVTDTC114EST MOTOR DRIVE/ MOTOR SPEED CONT.
0917,923 2SB621ARTA MOTOR SPEED CONT.

12 13 14 15 16 17 18 19 20 21

Q401~404
2SC3311ARTA
MPX SELECT

IC401
CXA1331S
DOLBY B/C NR

IC4
M5218AL
SIGNAL LEVEL DET.

IC901
M50942-502SP
MICRO COMPUTER

Q907
2SA1309ARTA
SWITCHING
(REMOTE)

Q903
RVTDTC114EST
R/P SELECT

Q902
RVTDTA114EST
R/P SELECT

Q904, 905
RVTDTA114EST
SWITCHING
(DOLBY B/C)

Q701
2SC3311ARTA
REC LEVEL CONT.

PLAY (OUT)
L ch
R ch

E POWER SWITCH CIRCUIT

Z701
RCDHC-237-E
(REMOTE SENSOR)

S701
(POWER)

F FL METER CIRCUIT

FL701
(RSL0086-F)

FL DISPLAY

TEST TERMINAL

DECK 2

(SPEED)

(DOLBY NR)

(REVERSE MODE)

DECK 1

C MECHANISM(DECK2) CIRCUIT

IC971
LB9051A-WD
HALL IC

MOTOR (DECK2)

D MECHANISM(DECK1) CIRCUIT

IC951
LB9051A-WD
HALL IC

MOTOR (DECK1)

G OPERATION(DECK1) CIRCUIT

H OPERATION(DECK2) CIRCUIT

■ SCHEMATIC DIAGRAM (Parts list on pages 29~32.)

(This schematic diagram may be modified at any time with the development of new technology.)

Notes:

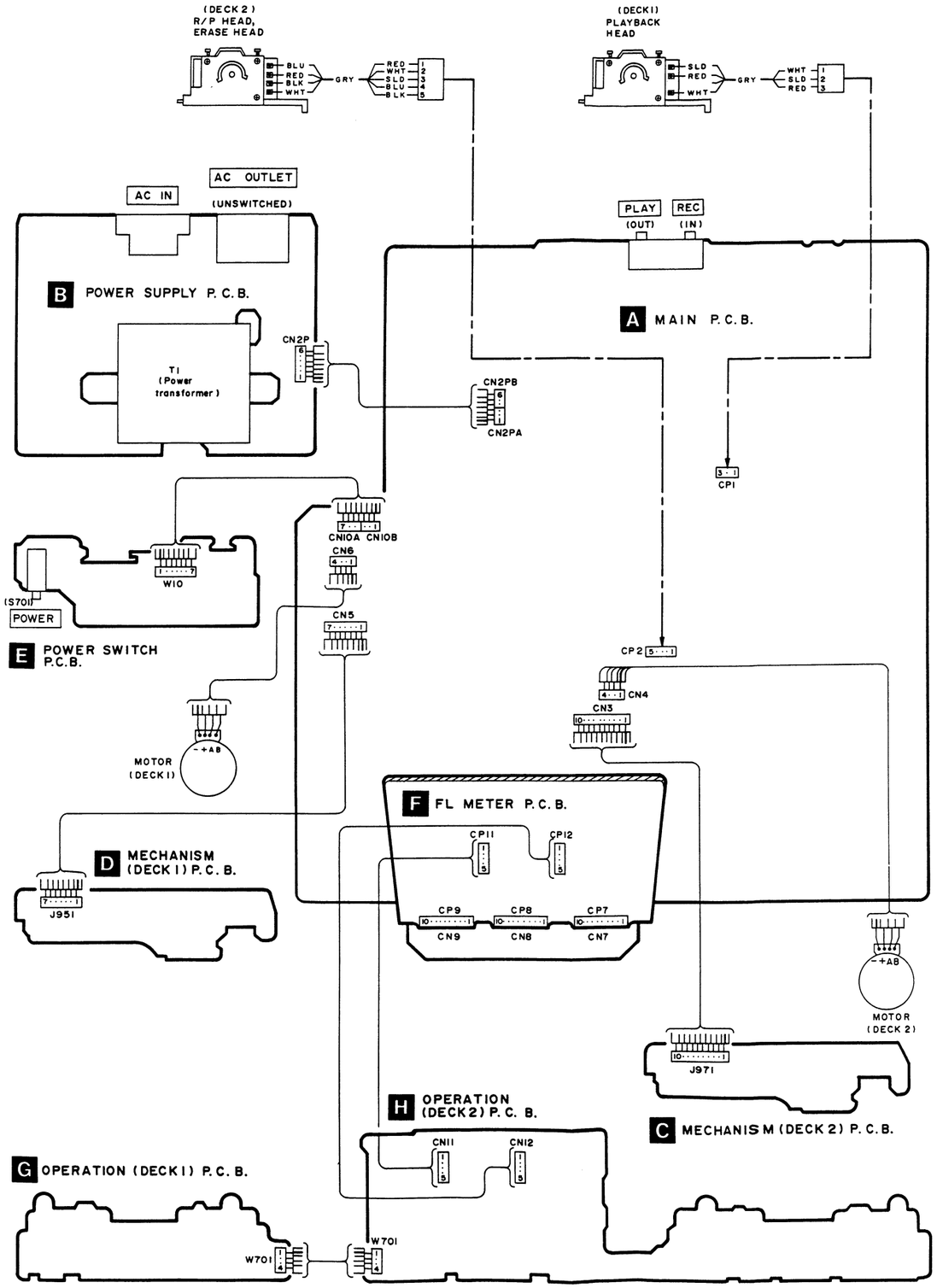
- S701 : Power switch in "**on**" position (POWER/▲ OFF ▬ ON).
- S703 : DECK 2 Automatic-record-muting switch (● AUTO REC MUTE).
- S704 : DECK 2 Stop switch (■ STOP).
- S705 : DECK 2 Fast-forward/cue switch (▶▶ CUE).
- S706 : DECK 2 Rewind/review switch (◀◀ REVIEW).
- S707 : DECK 2 Forward-side playback switch (▶ PLAY).
- S708 : DECK 2 Reverse-side playback switch (◀ PLAY).
- S709 : DECK 2 Record switch (● REC).
- S710 : DECK 2 Pause switch (▮▮ PAUSE).
- S711 : Synchro-start switch (SYNCHRO START).
- S712 : Edit-recording tape-speed selector switch (X1 SPEED).
- S713 : Edit-recording tape-speed selector switch (X2 SPEED).
- S714 : Dolby noise-reduction selector switch (Dolby NR; B).
- S715 : Dolby noise-reduction selector switch (Dolby NR; C).
- S716 : DECK 1 Stop switch (■ STOP).
- S717 : DECK 1 Fast-forward/cue switch (▶▶ CUE).
- S718 : DECK 1 Rewind/review switch (◀◀ REVIEW).
- S719 : DECK 1 Forward-side playback switch (▶ PLAY).
- S720 : DECK 1 Reverse-side playback switch (◀ PLAY).
- S721 : Reverse-mode switch (REVERSE MODE; ⇄).
- S722 : Reverse-mode switch (REVERSE MODE; ⟲).
- S723 : Reverse-mode switch (REVERSE MODE; ⟲⟳).
- S724 : DECK 2 Tape counter reset 2 switch (COUNTER RESET 2).
- S951 : DECK 1 Mode switch "**off**" position.
- S952 : DECK 1 Cassette half detection switch in "**off**" position.
- S953 : DECK 1 ATS (CrO_2) switch in "**off**" position.
- S971 : DECK 2 Mode switch in "**off**" position.
- S972 : DECK 2 Cassette half detection switch in "**off**" position.
- S973 : DECK 2 Reverse rec. inhibit switch in "**off**" position.
- S974 : DECK 2 Forward rec. inhibit switch in "**off**" position.
- S975 : DECK 2 ATS (CrO_2) switch in "**off**" position.
- S976 : DECK 2 ATS (Metal) switch in "**off**" position.
- Resistance are in ohms (Ω), 1/4 watt unless specified otherwise.
  1 K=1,000 (Ω), 1 M=1,000 k (Ω)
- Capacity are in micro-farads (μF) unless specified otherwise.
- All voltage values shown in circuitry are under no signal condition and playback mode with volume control at minimum position otherwise specified.
  ( )..... Voltage values at record mode.
  For measurement us EVM.
- Important safety notice
  Components identified by ⚠ mark have special characteristics important for safety.
  When replacing any of these components, use only manufacturer's specified parts.
- (▬▬▬ <+B> ▬▬▬) indicates +B (bias).
- (▬ ▬ ▬ <−B> ▬ ▬ ▬) indicates −B (bias).
- (⇝) indicates the flow of the playback signal.
- (⇨) indicates the flow of the record signal.
- The supply part number is described alone in the replacement parts list.

Ref. No.	Production Part No.	Supply Part No.
IC3, 4	M5218AL	M5218L
Z701	RCDHC-237-E	RCDHC-237

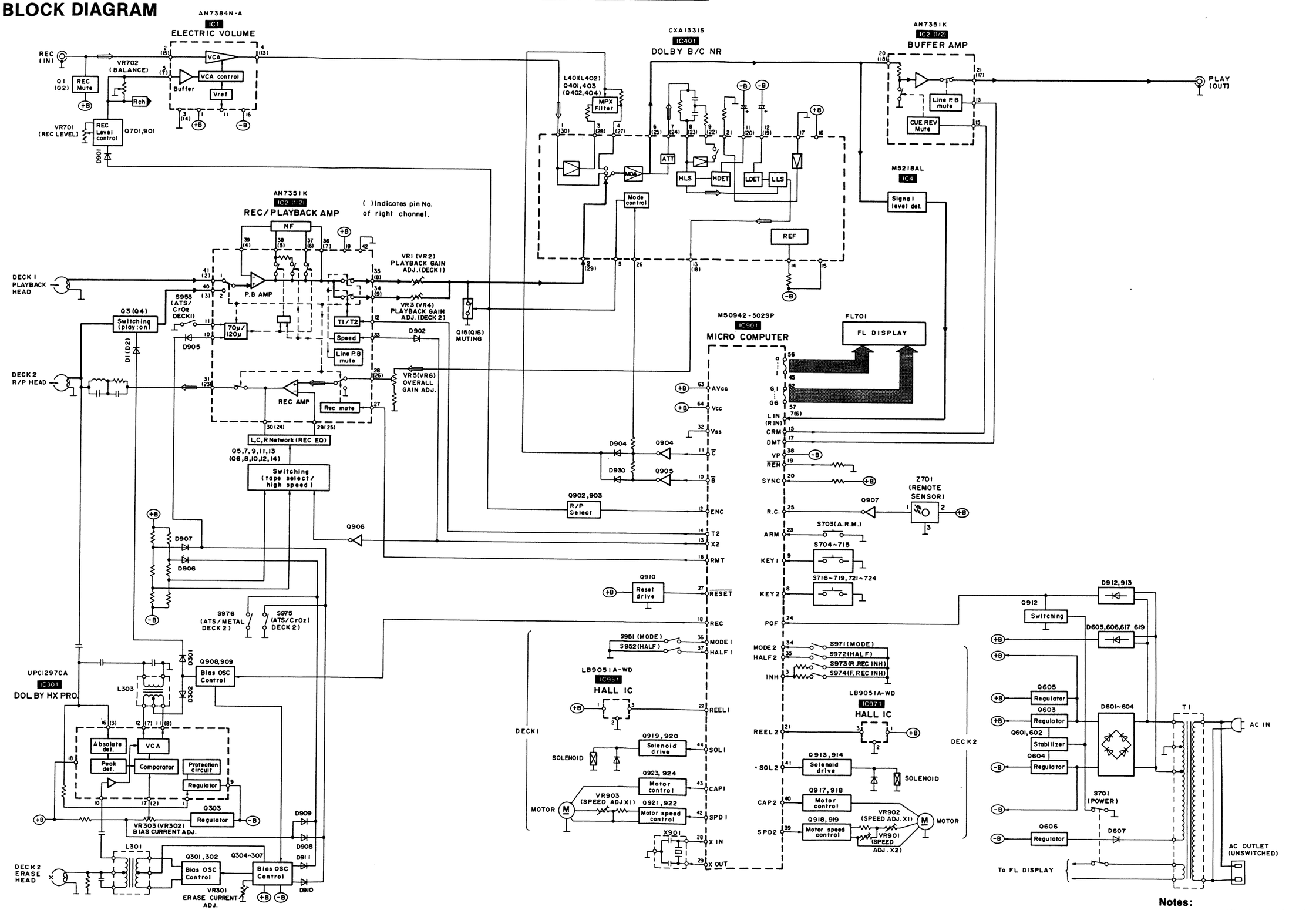
***Caution!**

IC and LSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.
*Cover the parts boxes made of plastics with aluminum foil.
*Ground the soldering iron.
*Put a conductive mat on the work table.
*Do not touch the legs of IC or LSI with the fingers directly.

■ WIRING CONNECTION DIAGRAM



■ BLOCK DIAGRAM



Notes:

- ⟶ Playback signal
- ⟹ Recording signal

■ RESISTORS AND CAPACITORS

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000k (OHM)
* [M] Indicates in Remarks columns parts that are supplied by MESA.

Ref.No.	Part No.	Values & Remarks
		RESISTORS
R1, 2	ERDS2TJ394	1/4W 390K
R3, 4	ERDS2TJ393	1/4W 39K
R5, 6	ERDS2TJ183T	1/4W 18K
R7, 8	ERDS2TJ225	1/4W 2.2M
R9, 10	ERDS2TJ332	1/4W 3.3K
R11, 12	ERDS2TJ102	1/4W 1K
R13, 14	ERDS2TJ332	1/4W 3.3K
R15, 16	ERDS2TJ561	1/4W 560
R19, 20	ERDS2TJ103	1/4W 10K
R21, 22	ERDS2TJ225	1/4W 2.2M
R23, 24	ERDS2TJ104	1/4W 100K
R25-28	ERDS2TJ101	1/4W 100
R29, 30	ERDS2EJ121	1/4W 120
R31, 32	ERDS2TJ273	1/4W 27K
R33, 34	ERDS2TJ183T	1/4W 18K
R35, 36	ERDS2TJ394	1/4W 390K
R37, 38	ERDS2TJ272T	1/4W 2.7K
R39	ERDS2TJ223	1/4W 22K
R40	ERDS2TJ392T	1/4W 3.9K
R41, 42	ERDS2TJ223	1/4W 22K
R43, 44	ERDS2TJ472	1/4W 4.7K
R45, 46	ERDS2TJ562	1/4W 5.6K
R47, 48	ERDS2TJ103	1/4W 10K
R49, 50	ERDS2TJ332	1/4W 3.3K
R51, 52	ERDS2TJ122	1/4W 1.2K
R53, 54	ERDS2TJ330	1/4W 33
R55, 56	ERDS2TJ562	1/4W 5.6K
R57, 58	ERDS2TJ152	1/4W 1.5K
R59, 60	ERDS2TJ272T	1/4W 2.7K
R61, 62	ERDS2TJ103	1/4W 10K
R63, 64	ERDS2TJ104	1/4W 100K
R65, 66	ERDS2TJ473	1/4W 47K
R67, 68	ERDS2TJ124T	1/4W 120K
R69, 70	ERDS2TJ220T	1/4W 22
R71, 72	ERDS2TJ152	1/4W 1.5K
R301	ERDS2TJ1R0	1/4W 1.0
R302, 303	ERDS2TJ183T	1/4W 18K
R304, 305	ERDS2TJ100	1/4W 10
R306	ERDS2TJ471	1/4W 470
R307, 308	ERDS2TJ102	1/4W 1K
R311, 312	ERDS2TJ101	1/4W 100
R313, 314	ERDS2TJ154	1/4W 150K
R315, 316	ERDS2TJ153	1/4W 15K
R317, 318	ERDS2TJ102	1/4W 1K
R319	ERDS2TJ182	1/4W 1.8K
R320	ERDS2TJ272T	1/4W 2.7K

Ref.No.	Part No.	Values & Remarks
R401-404	ERDS2TJ684	1/4W 680K
R405, 406	ERDS2TJ242	1/4W 2.4K
R407, 408	ERDS2TJ562	1/4W 5.6K
R409, 410	ERDS2TJ243T	1/4W 24K
R411, 412	ERDS2TJ561	1/4W 560
R413, 414	ERDS2TJ682T	1/4W 6.8K
R415, 416	ERDS2TJ562	1/4W 5.6K
R417	ERDS2TJ151	1/4W 150
R418	ERDS2TJ273	1/4W 27K
R603	ERDS2TJ472	1/4W 4.7K ⚠
R604	ERDS2TJ472	1/4W 4.7K
R605	ERDS2TJ103	1/4W 10K
R606	ERDS2TJ472	1/4W 4.7K ⚠
R607, 608	ERDS2TJ102	1/4W 1K
R609	ERD2FCVG150T	1/4W 15 ⚠
R610	ERD2FCVG180T	1/4W 18 ⚠
R611, 612	ERDS2TJ101	1/4W 100
R613	ERD2FCVG330T	1/4W 33 ⚠
R614	ERDS2TJ222	1/4W 2.2K ⚠
R615	ERDS2TJ101	1/4W 100
R616	ERD2FCVG330T	1/4W 33 ⚠
R617	ERDS2TJ222	1/4W 2.2K
R618	ERDS2TJ181T	1/4W 180
R623, 624	ERDS2TJ122	1/4W 1.2K ⚠
R625-632	ERDS2TJ221	1/4W 220
R633, 634	ERD2FCVG330T	1/4W 33 ⚠
R635	ERDS2TJ120T	1/4W 12 ⚠
R636	ERDS2TJ100	1/4W 10 ⚠
R637	ERDS1FVJ220T	1/2W 22 ⚠
R701	ERDS2TJ821	1/4W 820
R702	ERDS2TJ102	1/4W 1K
R703	ERDS2TJ122	1/4W 1.2K
R704	ERDS2TJ152	1/4W 1.5K
R705	ERDS2TJ182	1/4W 1.8K
R706	ERDS2TJ222	1/4W 2.2K
R707	ERDS2TJ332	1/4W 3.3K
R708	ERDS2TJ472	1/4W 4.7K
R709	ERDS2TJ682T	1/4W 6.8K
R710	ERDS2TJ123	1/4W 12K
R711	ERDS2TJ223	1/4W 22K
R712	ERDS2TJ683	1/4W 68K
R713	ERDS2TJ821	1/4W 820
R714	ERDS2TJ102	1/4W 1K
R715	ERDS2TJ122	1/4W 1.2K
R716	ERDS2TJ152	1/4W 1.5K
R717	ERDS2TJ182	1/4W 1.8K
R718	ERDS2TJ222	1/4W 2.2K
R719	ERDS2TJ332	1/4W 3.3K
R720	ERDS2TJ472	1/4W 4.7K

Ref.No.	Part No.	Values & Remarks
R723	ERDS2TJ153	1/4W 15K
R724, 725	ERDS2TJ102	1/4W 1K
R726, 727	ERDS2TJ562	1/4W 5.6K
R730	ERDS2TJ223	1/4W 22K
R901	ERDS2TJ472	1/4W 4.7K
R902	ERDS2TJ822	1/4W 8.2K
R903	ERDS2TJ472	1/4W 4.7K
R904	ERDS2TJ122	1/4W 1.2K
R905, 906	ERDS2TJ103	1/4W 10K
R907, 908	ERDS2TJ472	1/4W 4.7K
R910	ERDS2TJ222	1/4W 2.2K
R911	ERDS2TJ392T	1/4W 3.9K
R912-914	ERDS2TJ103	1/4W 10K
R915	ERDS2TJ473	1/4W 47K
R916	ERDS2TJ222	1/4W 2.2K
R917	ERDS2TJ122	1/4W 1.2K
R918	ERDS2TJ472	1/4W 4.7K
R919	ERDS2TJ223	1/4W 22K
R920	ERDS2TJ392T	1/4W 3.9K
R921	ERDS2TJ471	1/4W 470
R922, 923	ERDS2TJ103	1/4W 10K
R924	ERDS2TJ102	1/4W 1K
R925	ERDS2TJ105T	1/4W 1M
R926	ERDS2TJ223	1/4W 22K
R927	ERDS2TJ472	1/4W 4.7K
R928-930	ERDS2TJ103	1/4W 10K
R931	ERDS2TJ223	1/4W 22K
R937-941	ERDS2TJ472	1/4W 4.7K
R942	ERDS2TJ822	1/4W 8.2K
R943	ERDS2TJ223	1/4W 22K ⚠
R944	ERDS2TJ821	1/4W 820
R945	ERDS2TJ221	1/4W 220
R946	ERDS2TJ103	1/4W 10K
R947	ERDS2TJ392T	1/4W 3.9K
R948	ERDS2TJ184T	1/4W 180K
R949	ERDS2TJ103	1/4W 10K
R950	ERDS2TJ223	1/4W 22K ⚠
R951	ERDS2TJ821	1/4W 820
R952	ERDS2TJ223	1/4W 22K ⚠
R953	ERDS2TJ821	1/4W 820
R954	ERDS2TJ103	1/4W 10K
R955	ERDS2TJ332	1/4W 3.3K
R956	ERDS2TJ103	1/4W 10K
R957	ERDS2TJ392T	1/4W 3.9K
R958	ERDS2TJ184T	1/4W 180K
R959	ERDS2TJ103	1/4W 10K
R960	ERDS2TJ223	1/4W 22K ⚠
R962	ERDS2TJ223	1/4W 22K
R963	ERDS2TJ562	1/4W 5.6K

Ref.No.	Part No.	Values & Remarks
R964	ERDS2TJ223	1/4W 22K
R965	ERDS2TJ153	1/4W 15K
R966	ERDS2TJ821	1/4W 820
R967	ERDS2TJ563	1/4W 56K
R968	ERDS2TJ272T	1/4W 2.7K
R969, 970	ERDS2TJ472	1/4W 4.7K
R971	ERDS2TJ152	1/4W 1.5K
R972	ERDS2TJ103	1/4W 10K
		CAPACITORS
C1-4	ECEA1HKA010B	50V 1U
C5, 6	ECEA1CKA220B	16V 22U
C7, 8	ECEA1CKA100B	16V 10U
C9, 10	ECBT1H561KB5	50V 560P
C11, 12	ECBT1H102KB5	50V 1000P
C13, 14	ECEA1AU101	10V 100U
C15, 16	ECQB1H822JF3	50V 8200P
C17-20	ECEA1EKA4R7B	25V 4.7U
C21, 22	ECBT1H471KB5	50V 470P
C23	ECBT1H102KB5	50V 1000P
C24	ECEA1AU101	10V 100U
C25, 26	ECQB1H472JF3	50V 4700P
C27, 28	ECQB1H223JF3	50V 0.022U
C29, 30	ECQB1H103JF3	50V 0.01U
C31, 32	ECQB1H223JF3	50V 0.022U
C33, 34	ECQV1H563JZ3	50V 0.056U
C37, 38	ECBT1H181KB5	50V 180P
C39, 40	ECEA1HKAR47B	50V 0.47U
C41, 42	ECQB1H153JF3	50V 0.015U
C43, 44	ECEA1EKA4R7B	25V 4.7U
C45, 46	ECBT1H561KB5	50V 560P
C47, 48	ECKR2H101KB5	500V 100P
C49, 50	ECQV1H104JZ3	50V 0.1U
C51, 52	ECEA1AU101	10V 100U
C53, 54	ECBT1H391KB5	50V 390P
C55, 56	ECBT1C472KR5	16V 4700P
C57, 58	ECQB1H153JF3	50V 0.015U
C61, 62	ECQB1H153JF3	50V 0.015U
C301	ECQP2A153JZT	100V 0.015U
C302	ECEA1EKA4R7B	25V 4.7U
C303	ECKR1H392KB5	50V 3900P
C304, 305	ECKW1H222KB5	50V 2200P
C306	ECKD1H682KB	50V 6800P
C307	ECKR1H103ZF5	50V 0.01U
C308	ECEA1AU221	10V 220U
C309	ECKR1H103ZF5	50V 0.01U
C310	ECKR1H472KB5	50V 4700P
C311	ECKR1H103ZF5	50V 0.01U
C313, 314	ECKT1H223ZF	50V 0.022U
C315, 316	ECKR2H821KB5	500V 820P
C317, 318	ECBT1H121KB5	50V 120P

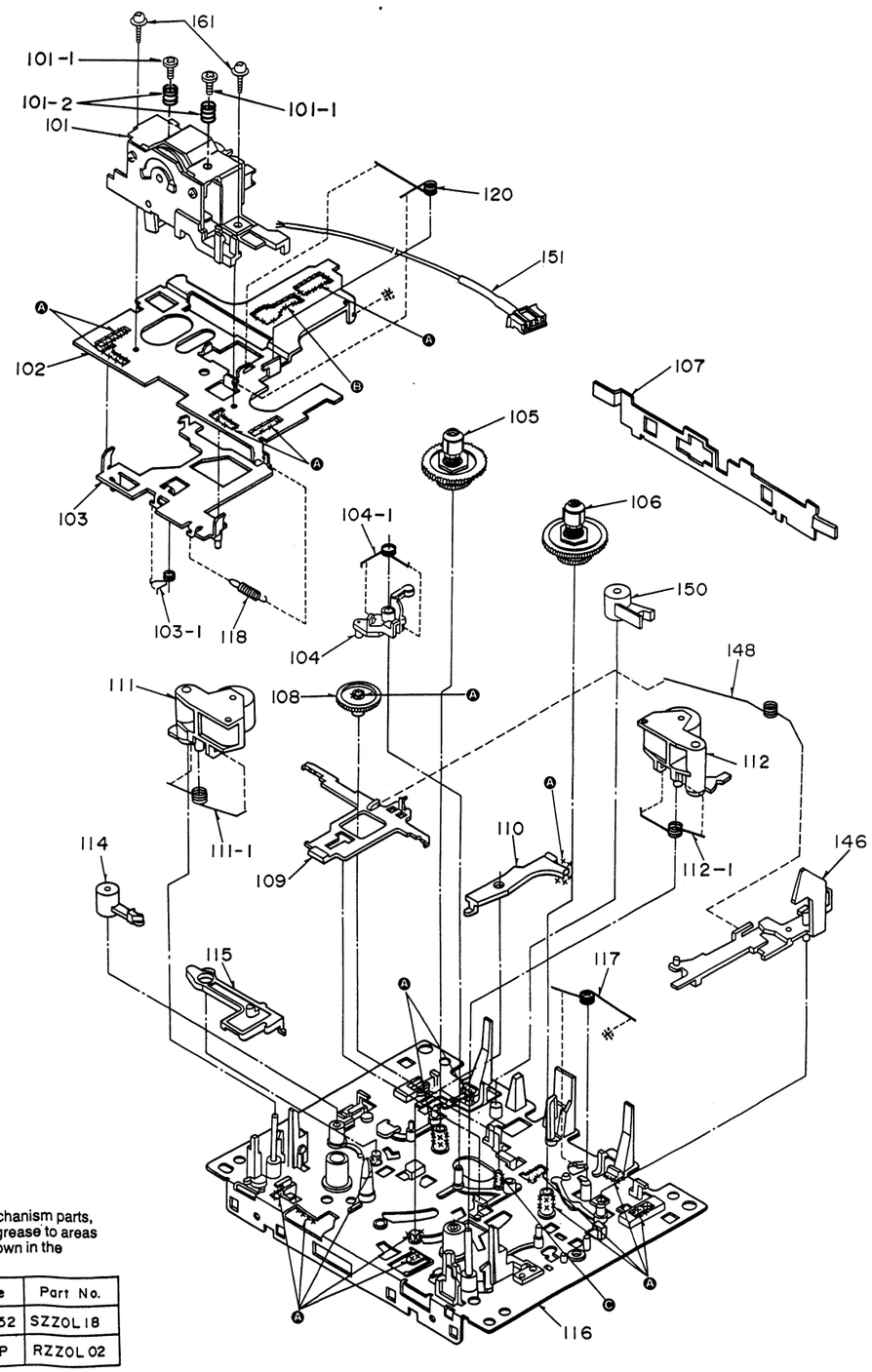
Ref.No.	Part No.	Values & Remarks
C319, 320	ECQV1H473JZ3	50V 0.047U
C321, 322	ECQB1H223JF3	50V 0.022U
C323, 324	ECQB1H103JF3	50V 0.01U
C325, 326	ECKT1H122KB	50V 1200P
C327	ECEA1CKA100B	16V 10U
C328, 329	ECCR1H220JC5	50V 22P
C331	ECKR1H103ZF5	50V 0.01U
C401, 402	ECKT1H122KB	50V 1200P
C403, 404	ECKD1H152KB	50V 1500P
C405-408	ECQB1H222JF3	50V 2200P
C409, 410	ECEA1HUR56B	50V 0.56U
C411, 412	ECEA1HKAR33B	50V 0.33U
C413, 414	ECEA1EKA4R7B	25V 4.7U
C415, 416	ECEA1CKA100B	16V 10U
C601	ECKR2H682PE	500V 6800P ⚠
C603, 604	ECA1EM102B	25V 1000U ⚠
C605	ECA1EU222EV	25V 2200U [M]⚠
C606	ECKR2H682PE	500V 6800P ⚠
C607, 608	ECA1AM471B	10V 470U
C609, 610	ECKR1H103ZF5	50V 0.01U
C612	ECA1HM470B	50V 47U
C613, 614	ECKR1H103ZF5	50V 0.01U
C615, 616	ECEA1VU220	35V 22U ⚠
C619, 620	ECA1AM102B	10V 1000U
C621, 622	ECEA1CKA470B	16V 47U
C623, 624	ECBT1E103ZF	25V 0.01U
C702	ECBT1E103ZF	25V 0.01U
C901	ECA0JM222B	6.3V 2200U
C902, 903	ECKR1H103ZF5	50V 0.01U
C904	ECEA1EKA4R7B	25V 4.7U
C905	ECEA1HKA010B	50V 1U
C906	ECEA1CKA100B	16V 10U
C911	ECEA1AU101	10V 100U

■ EXPLODED VIEWS

• Mechanical parts

• DECK 1

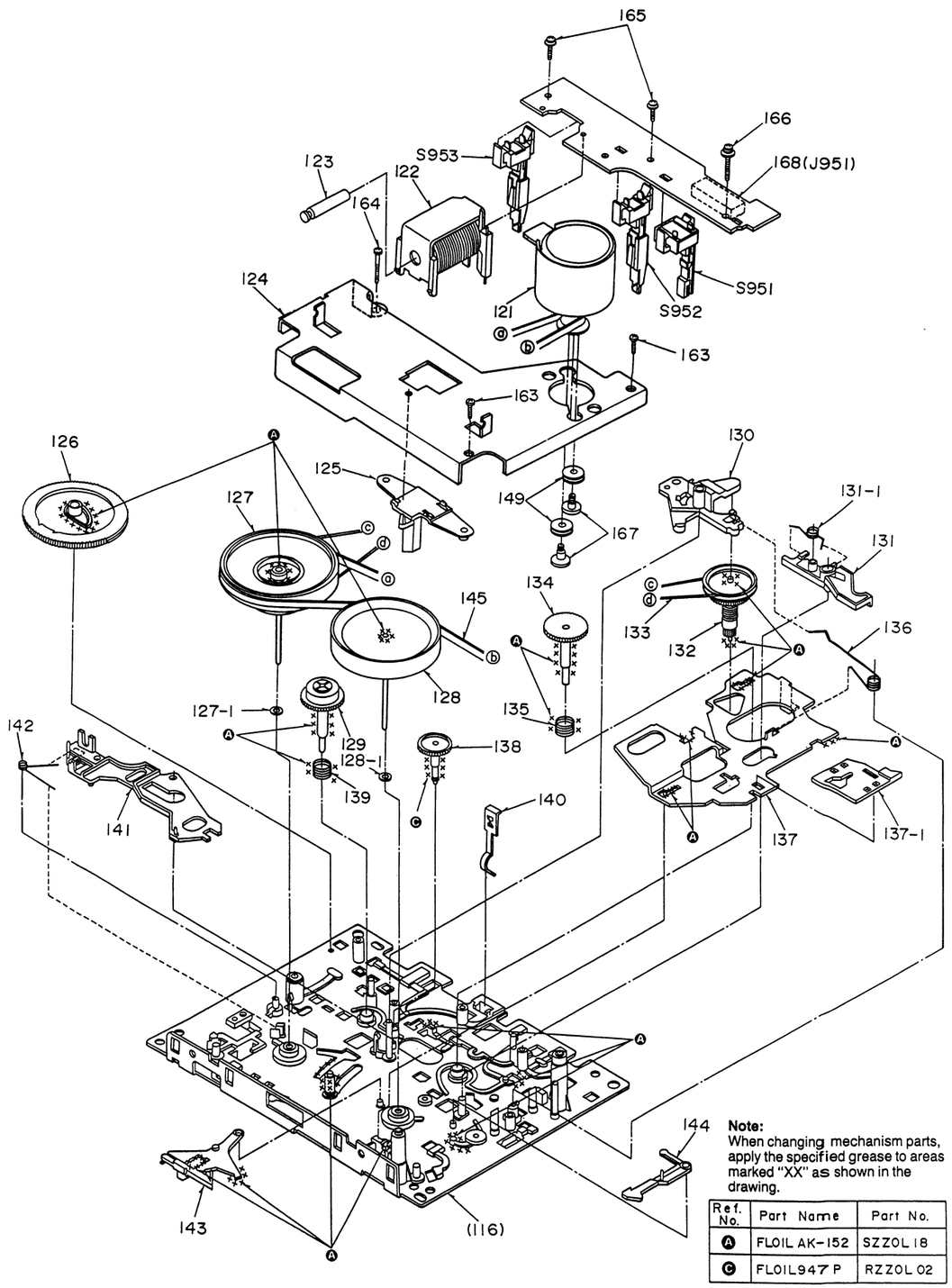
(Top view)



Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
A	FLOIL AK-152	SZZOL18
C	FLOIL947P	RZZOL02

(Bottom view)



Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
A	FLOIL AK-152	SZZOL18
C	FLOIL947P	RZZOL02

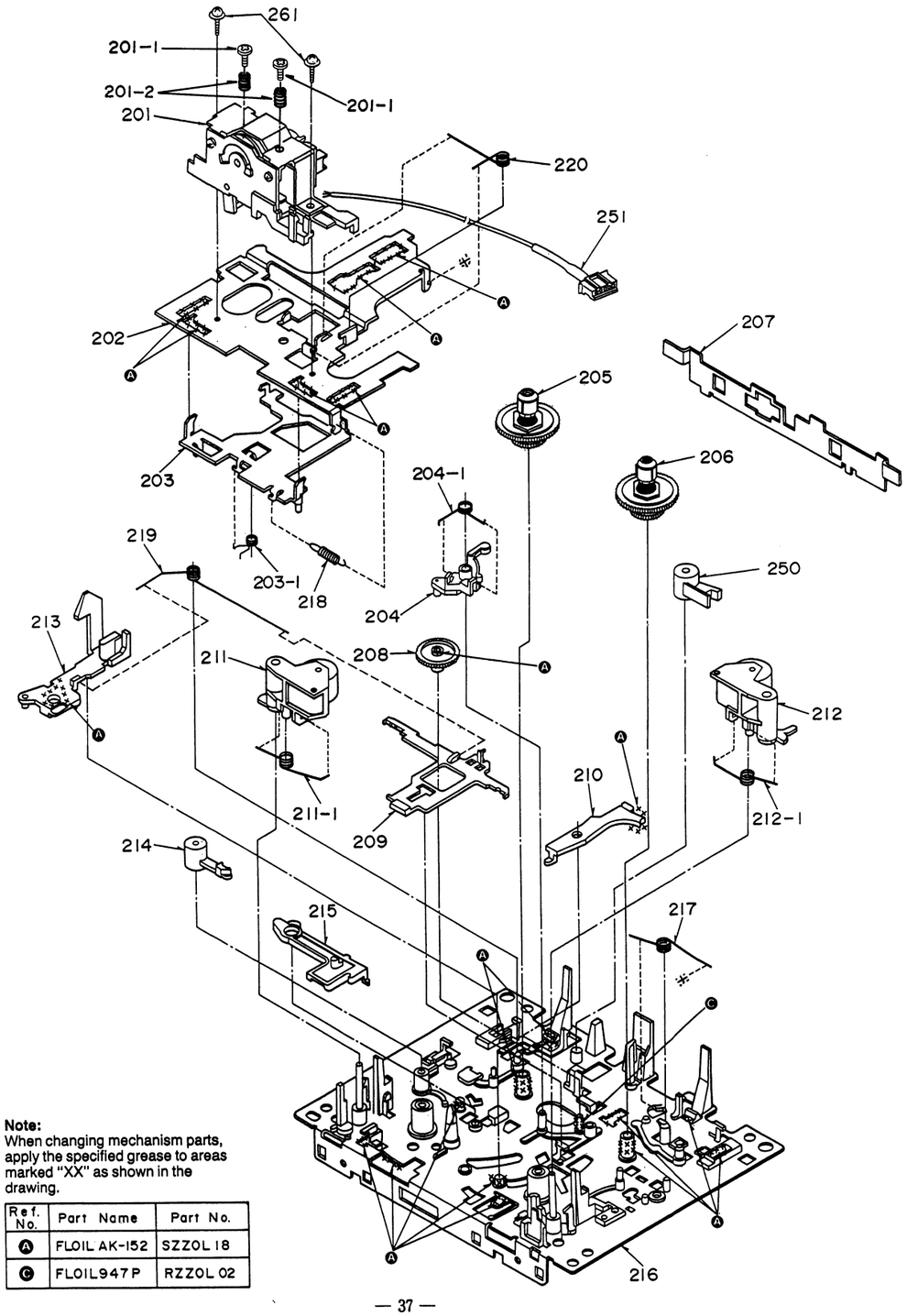
■EXPLODED VIEWS

1 2 3 4 5 6 7 8 9

A B C D E F

- Mechanical parts
- DECK 2

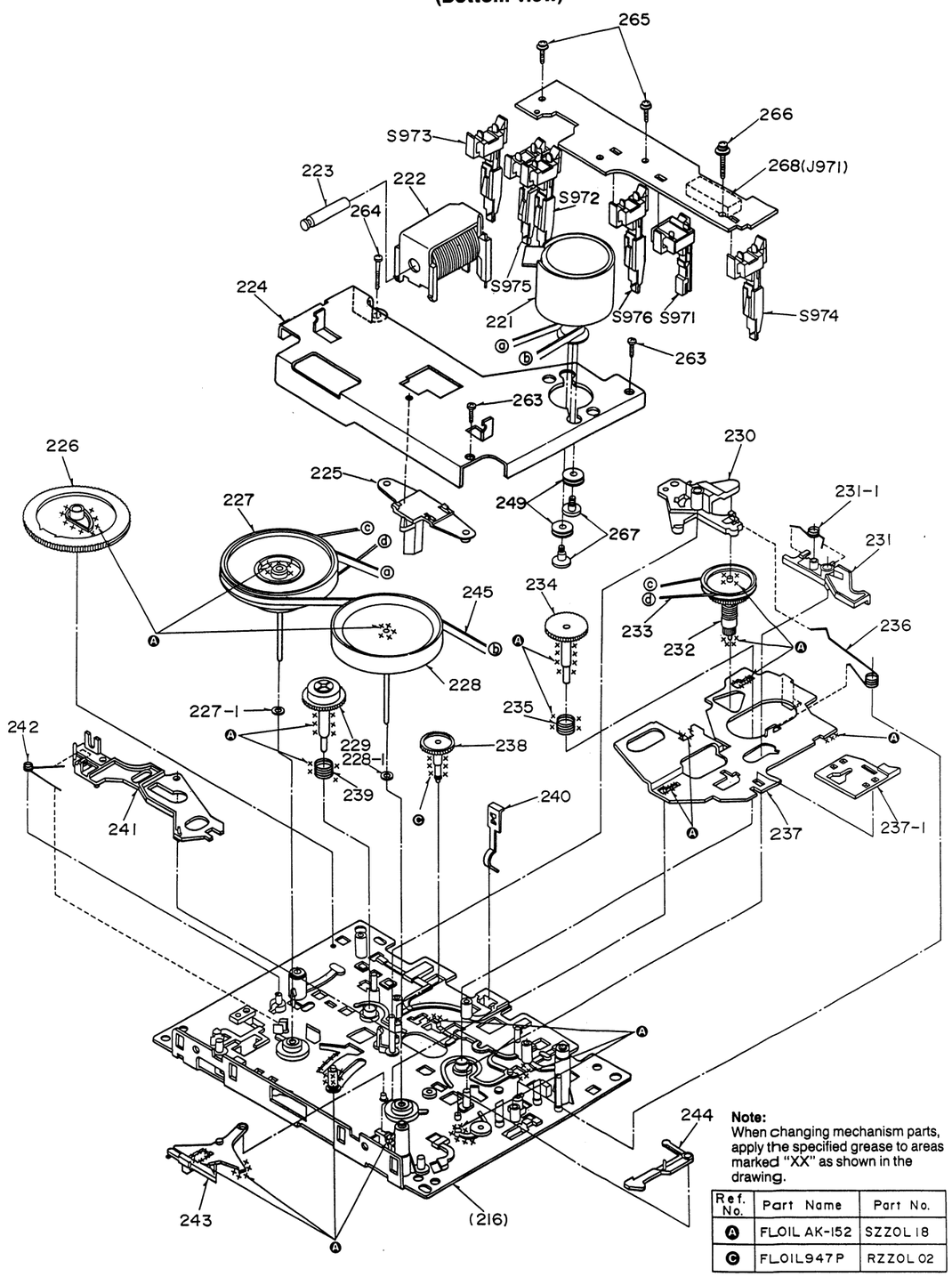
(Top view)



Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
Ⓐ	FLOIL AK-152	SZZOL 18
Ⓒ	FLOIL947P	RZZOL 02

(Bottom view)



Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
Ⓐ	FLOIL AK-152	SZZOL 18
Ⓒ	FLOIL947P	RZZOL 02

■EXPLODED VIEWS

• Cabinet parts